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PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date

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PTO/SB/17 (05-03) 4-Poved for use through 04/30/2003. OMB 0651-0032

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl No.

09/649,499

Confirmation No. 8209

Applicant

William F. Jones

Filed TC/A.U.

08/28/2000 2621

Examiner

Tom Y. Lu

Docket No.

26242.00

Customer No.

22465

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OCT 0 6 2003

Technology Center 2600

Assignee

CTI PET Systems, Inc.

Title

On-Line Correction of Patient Motion In Three-Dimensional

Positron Emission Tomography

Express Mail

EL 969565505 US

Commissioner for Patents P. O. Box 1450

Alexandria VA 22313-1450

RESPONSE TO OFFICE ACTION OF July 1, 2003 PAPER NUMBER 2

Dear Sir:

This Response is filed on behalf of the Applicant in the above-referenced patent application in response to the Office Action mailed August 19, 2003. It is deemed to place the application in a condition for allowance.

In response to the Office Action, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 8 of this paper.

10/02/2003 SFELEKE1 00000095 09649499

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Docket No.: 26242.00 Appl. No. 09/649,499 Page 1 of 11

Reply to Office Action of July 1, 2003